

BS-CW-1 Lake Lery Dedicated Dredging

Coast 2050 Strategy - Coastwide - Dedicated dredging to create, restore, or protect wetlands.

Project Location - Region 2, Breton Sound Basin, St. Bernard Parish, northeast of Lake Lery and west of Highway 300.

Problem – This mapping unit had 12,260 acres of marsh in 1932 but had lost 3,260 acres by 1990; 1,000 acres of this loss were from 1974-1990. In 1991, the Caernarvon Freshwater Diversion structure began operating. However, this corner of the Breton Sound Basin is somewhat out of the influence of the diversion and has many open ponds surrounded by deteriorating marsh.

Goals - The goal of this project is to create and nourish marsh in and near three ponds.

Proposed Solution – The project would utilize dedicated dredging from Lake Lery to create 630 acres of marsh and to nourish 828 acres of broken marsh. All created marsh would be planted. Landscape design features would be implemented to increase estuarine productivity and maintain opportunities for traditional fish and wildlife use of the marsh.

Project Benefits - The project would benefit 832 acres of marsh and 788 acres of open water (total 1,620 acres). Marsh would be created and nourished at construction, after 20 years there would be a net of 649 acres of marsh over the future without project condition. Restoring the integrity of these wetlands will ensure opportunities for continued recreational and commercial uses of natural resources and will help protect the community of Delacroix.

Project Costs – The total fully funded cost is \$32,661,300 and the fully funded first cost is \$32,317,800.

Risk/Uncertainty and Longevity/Sustainability - There would be a low degree of risk associated with this project because monitoring has indicated that marsh creation is a successful technique. The project should continue providing benefits more than 20 years after construction because large amounts of marsh would be created and nourished.

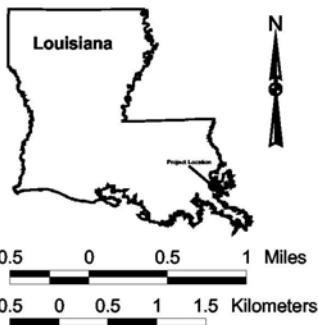
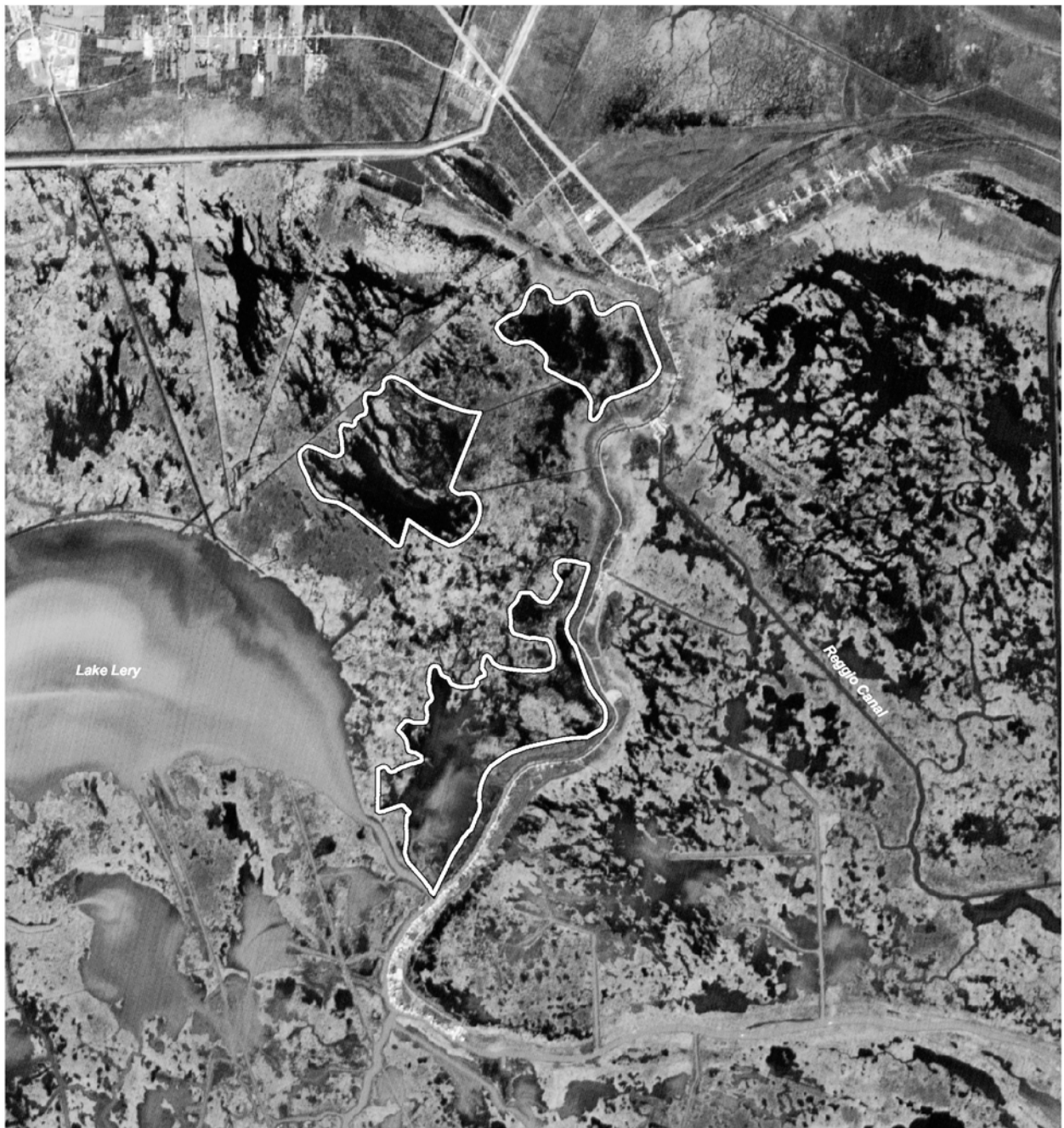
Sponsoring Agency and Contact Persons – Corps of Engineers

Gregory Miller, (504) 862-2310

gregory.b.miller@MVN02.usace.army.mil

Chris Alfonso, (504) 862-2401

christopher.d.alfonso@MVN02.usace.army.mil



Project area

Data Source:
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

LA Department of Natural Resources
Coastal Restoration Division

Map Date: November 14, 2001
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Image Data:
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Region 2

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